INSPECTION REPORT
FOR
TARACORP INDUSTRIES
McCOOK, ILLINOIS

ILD098983208

R05-8410-01D

SEPTEMBER 19, 1986

Contents:

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

M E M O R A N D U M

DATE: September 19, 1986
TO: File
FROM: Cynthia Pugh
SUBJECT: Illinois/R05-8410-01D/IL0317
McCook/Taracorp Industries
ILD098983208

Taracorp Industries is an inactive facility located in an industrialized area of McCook. Taracorp purchased the facility from NL (National Lead) Industries in 1979 and operated the site until 1983. NL Industries years of operation at the McCook location are unknown.

This site was originally identified by the Illinois Environmental Protection Agency in the form of a Preliminary Assessment Report submitted to the U.S. EPA. Ecology and Environment, Inc./FIT performed an interview and inspection at the facility on September 9, 1986. Visual observations of the plant and the surrounding area were made during the tour of the facility. No sampling was conducted by FIT during the inspection.

Taracorp operated the facility as a secondary lead smelter. Their processes consisted of recycling lead from scrap materials and battery plates to produce metallic lead ingots.

The reverbatory furnace accepted materials in oxide form and smelted them into metallic form. Lead bullion was formed from this smelting process. Pot furnaces were used to re-refine the lead bullion and to directly melt scrap materials to produce lead ingots.

Hot gasses from the reverbatory furnace were directed through a series of cyclones and then into a baghouse. Flue dust was accumulated and screw conveyed back to the reverbatory furnace.

The pot furnaces generated very little dust. Any dust that was generated was collected in a baghouse. The pot furnaces were directed into the main (reverbatory) metallurgical baghouse prior to 1980-1981. After that time, the pot furnaces were directed into a separate baghouse. Baghouse dust from the pot furnaces was collected in front- end loaders and then transported to the reverbatory furnace for recycling.

Basically, all feedstocks were stored in the hazardous storage shed area indicated on the attached site map (see Figure 2). This storage shed area is roofed and contains a concrete floor. It is open on two sides and allegedly contains no floor drains.

Battery plates and scrap materials were stored in bins on the concrete pad within the shed. Feedstock materials in metallic form could also have been stored within the shipping area, on pads inside the production area, or possibly in a small storage building located near the production area. Scrap iron for the furnaces was stored in an area across from the pot furnace baghouse. All finished products were stored inside buildings in the production area.

The battery plates were purchased from off-sites sources and were allegedly received pre-broken. Some pieces of battery casing may have been mixed in with the plates. All of this material went through the smelting process. No remnant sulfuric acid was allegedly present on the plates so acid neutralization was unnecessary.

According to George Webb, Taracorp Industries, flue dust was considered a feedstock and not a waste as it was internally recycled via the screw conveyor. No flue dust was allegedly disposed of on-site.

Intermittent storage of the flue dust only occurred during break down periods. During these times, the flue dust was stored in open-top bins in the southwest corner at the back of the roofed hazardous storage shed.

Slag from the reverbatory furnace was allegedly the only waste generated during Taracorp's operations. The slag contained lead and was shipped off-site to other Taracorp facilities to be used in blast furnace operations. This slag was either stored in the hazardous storage shed or the outside covered storage bins, or inside the production buildings prior to shipment off-site.

Feedstock material was transported from the hazardous storage shed to the furnaces by a front-end loader. Any material that was received in barrels remained in the barrels during transport to the furnace. Other materials were transported in dumping hoppers on the front-end loader.

According to George Webb, roadways leading to the furnace room were paved at the time of Taracorp operations, and the furnace room contained a concrete floor. Roadways observed during the FIT site inspection on 9/9/86 appeared to be paved. Paved areas were vacuum swept regularly during Taracorp operations. It is unknown if roadways were paved during operations by former owners.

During the FIT site inpsection on 9/9/86, Mr. Webb stated that in the past Taracorp had some alleged problems with lead standards (for lead in general, not specifically for flue dust) by the Metropolitan Sanitary District of Greater Chicago (MSDGC). According to Mr. Webb,

Taracorp split samples with the MSDGC, and the Taracorp samples showed lead to be in compliance while the MSDGC samples showed technically non-compliance by a small margin.

The facility ceased its manufacturing operations in 1983. The Illinois Environmental Protection Agency (IEPA) collected a sample of dust removed from a concrete pad in an area southwest of the storage area on 5/26/83 after manufacturing operations had already ceased. The sample results showed lead to be present at 412,250 mg/kg dry weight. A copy of the sample analysis form is attached.

All materials were eventually removed after Taracorp plant operations ceased. Mr. Webb had no information on the weekly or annual quantities of incomming feedstock materials that were stored on-site during Taracorp operations, but he estimated that approximately 80 tons of mixed material (mixture of drosses, flue dust, and battery plates) were stored on-site for possibly one year after Taracorp's operations ceased. These materials were shipped off-site for use in smelting/recycling. The plant yard, buildings, walls, and baghouses were vacuum swept, and all the material was placed in barrles and shipped off-site for recycling.

According to a phone conversation with Cliff Gould, IEPA, on 4/30/86, Taracorp has RCRA Interim Status, and they submitted a RCRA Part B Application but were never issued a Part B Permit. George Webb stated during the 9/9/86 FIT inspection that Taracorp's RCRA Interim Status is currently a point of contention. In December of 1985, they filed for withdrawal of both RCRA Parts A and B but have not yet received the results. No Closure Plan has been submitted or is currently in process.

Information on NL Industries operations at the McCook site was obtained in a phone conversation on 9/15/86 with Mr. Glen Rodman, Environmental Engineer- NL Industries, Inc. NL Industries operated as a secondary lead smelter at the McCook facility. Mr. Rodman said that he would assume that Taracorp would have had the same type of processes as NL Industries as NL Industries sold the site to Taracorp in 1979, and he would presume that Taracorp would have purchased the site for what it was. Mr Rodman had no information on NL Industries starting date or on the previous owner(s). Taracorp estimated that NL Industries operations may have begun in the mid 1960's.

Mr. Rodman had no information on any disposal of hazardous materials at this site. However, Mr. Rodman stated that NL Industries filed a 103(c) Notification of Hazardous Waste Site as operated it as secondary lead smelters, and it is likely that the 103(c) notice was filed under the presumption that slag may have been stored on-site prior to off-site disposal.

The IEPA conducted an inspection at NL Industries in McCook on 3/15/73 and determined that a potential nuisance violation for sulfur dioxide emissions may have existed. The emissions were allegedly from lead sulfate and sulfite on old battery plates that were reclaimed during process operations.

The site property is currently owned by McCook Lead Supply, Inc., a wholly owned subsidiary of Taracorp, Inc., in Atlanta, GA. The site is leased to Moreco Energy, Inc. who uses the front half of the premises as a truck terminal. Moreco uses the garage for truck maintenance and the yard for parking motor oil refining vehicles. There have been no known spills from Moreco's operations at the site according to Ronald Stoker, Moreco's Manager of Environmental Affairs. Truck tankers entering the site are usually empty. Used

oil is loaded into tanks off-site at Moreco's Refinery.

In August of 1986, U.S. EPA TAT Contractor-Roy F. Weston, Inc., obtained soil and water samples at the Taracorp site. According to information obtained from the U.S. EPA Emergency Response Division, TAT allegedly did not find any conditions at the site which would clearly indicate an emergency situation. The results of the TAT inspection and sampling are not yet available.

31B:5F

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

EPA

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D098983208

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Taracorp Industries	7753 W. 47th Street

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG. DIST
Mc Cook	IL	60525	Cook	031	05

09 COORDINATES LATITUDE	LONGITUDE
41° 48' 06.0"	087° 48' 51.0"

10 TYPE OF OWNERSHIP (Check one)
■ A. PRIVATE ☐ B. FEDERAL _____ ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER _____ ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERATION
9, 9, 86 (MONTH DAY YEAR)	☐ ACTIVE ■ INACTIVE	1979 (BEGINNING YEAR) / 1983 (ENDING YEAR) ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)
☐ A. EPA ■ B. EPA CONTRACTOR Ecology & Environment, Inc. (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR _____ (Name of firm)
☐ E. STATE ☐ F. STATE CONTRACTOR _____ (Name of firm) ☐ G. OTHER _____ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO
Cynthia Pugh	Environmental Scientist	E&E, Inc.	(312) 663-9415
09 OTHER INSPECTORS	10 TITLE	11 ORGANIZATION	12 TELEPHONE NO
Ruth-Ann Jacquette	Environmental Scientist	E&E, Inc.	(312) 663-9415
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO
George E. Webb, Jr.	Corp. Director of Environmental Control and Safety	Taracorp Industries 16th & Cleveland Blvd. Granite City, IL, 62040	(618) 451-4483 or (800) 682-3084
			( )
			( )
Ronald E. Stoker	Manager of Environmental Affairs	Moreco Energy, Inc. 7601 W. 47th Street McCook, IL, 60525	(312) 242-2252
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
■ PERMISSION ☐ WARRANT	1310	mid 60°sF, cloudy; changing to light rain @ 1505

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Cliff Gould	IEPA - DLPC	(312) 345-9780

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE
Cynthia Pugh	—	E&E, Inc.	(312) 663-9415	9, 19, 86 (MONTH DAY YEAR)

EPA FORM 2070-13 (7-81)

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D098983208

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)
- ■ A SOLID
- ■ B POWDER, FINES
- ☐ C SLUDGE
- ☐ D OTHER (Specify)
- ☐ E SLURRY
- ☐ F. LIQUID
- ☐ G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)
- TONS: UnKnown
- CUBIC YARDS:
- NO OF DRUMS:

03 WASTE CHARACTERISTICS (Check all that apply)
- ■ A TOXIC
- ■ B CORROSIVE
- ☐ C RADIOACTIVE
- ■ D PERSISTENT
- ☐ E SOLUBLE
- ☐ F INFECTIOUS
- ☐ G FLAMMABLE
- ☐ H IGNITABLE
- ☐ I HIGHLY VOLATILE
- ☐ J EXPLOSIVE
- ☐ K REACTIVE
- ☐ L INCOMPATIBLE
- ☐ M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			• Materials stored on-site during Taracorp operations were allegedly considered feedstocks and not wastes. The only waste allegedly generated and temporarily stored on-site was slag. A dust sample obtained on-site on 5-26-83 contained 412,250 mg/Kg (dry weight) lead. However, all stored materials have since allegedly been removed from the site. Final off-site shipment of materials occurred ~1 year after Taracorp operations ceased.
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			• Results of TAT soil and water sampling are not yet available.

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
MES	lead (scraps, flue dust)	1335-25-7	Materials stored in hazardous storage shed	UnKnown	NA
MES	antimony	7440-36-0			
MES	arsenic	7440-38-2			
			Materials in metallic form may also have been stored in the shipping area, on pads inside the production area, or in a small storage building outside the production area.		
MES	slag containing lead	NA	→ stored in hazardous storage shed, production buildings, or outside covered storage bin		
ACD	lead sulfate + sulfite	15739-80-7	→ on old battery plates (Refer to memorandum)		

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	lead	1335-25-7	FDS		
FDS	antimony	7440-36-0	FDS		
FDS	arsenic	7440-38-2	FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- IEPA File Info.
- E+E, Inc. File Info.
- Site Inspection / Interview with Taracorp Representative and Moreco Energy, Inc. Representative on 9-9-86 by E+E/FIT

NOTE: The 103(c) Notification of Hazardous Waste site form filed by NL Industries, Inc. is attached.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D098983208

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ■ A. GROUNDWATER CONTAMINATION | 02 □ OBSERVED (DATE ____) | ■ POTENTIAL | □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: <100 | 04 NARRATIVE DESCRIPTION
The shallow groundwater aquifer consists of interconnected sand and gravel and silurian dolomite. A low potential for groundwater contamination exists if any potential contaminants migrated through surface run-off and/or through any cracks contained in the pad in the hazardous storage shed.

01 ■ B. SURFACE WATER CONTAMINATION | 02 □ OBSERVED (DATE ____) | ■ POTENTIAL | □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 145,615 | 04 NARRATIVE DESCRIPTION
The storage shed is open on 2 sides and appeared to contain some cracks in the floor. Berms were allegedly constructed along the fence lines on the S and W sides of the site to prevent run-off to McCook drainage ditches. IEPA indicated that there allegedly is evidence of flowing water that went off-site. Surface water w/in 3 mi. is not used for drinking wat

01 ■ C. CONTAMINATION OF AIR | 02 □ OBSERVED (DATE ____) | ■ POTENTIAL | □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 170,000 | 04 NARRATIVE DESCRIPTION
A potential for air contamination may exist from potential fugative lead dust from material that was stored on-site. A dust sample obtained on-site in 5/83 (after smelting operations ceased) contained 412,250 mg/Kg lead. However, the stored materials have since been removed and the plant area was allegedly swept. Complaints about sulfur dioxide emissions were received during NL Industries operations.

01 □ D. FIRE/EXPLOSIVE CONDITIONS | 02 □ OBSERVED (DATE ____) | □ POTENTIAL | □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ | 04 NARRATIVE DESCRIPTION
None Observed or Reported

01 □ E. DIRECT CONTACT | 02 □ OBSERVED (DATE ____) | □ POTENTIAL | □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: ____ | 04 NARRATIVE DESCRIPTION
A potential for direct contact with the general public is unlikely as the facility is fenced, and a worker is in the office 24 hours/day.

01 ■ F. CONTAMINATION OF SOIL | 02 □ OBSERVED (DATE ____) | ■ POTENTIAL | □ ALLEGED
03 AREA POTENTIALLY AFFECTED: ~6.6 (Acres) | 04 NARRATIVE DESCRIPTION: Refer to A & B Above.
A potential for soil contamination exists from storage and transfer of lead (As, Sb) bearing materials. Front-end loaders were used to transport materials to other areas of the plant. A dust sample obtained from a concrete pad (prior to final removal of stored "feedstocks" and final plant sweeping) contained 412,250 mg/Kg (dry weight) lead.

01 ■ G. DRINKING WATER CONTAMINATION | 02 □ OBSERVED (DATE ____) | ■ POTENTIAL | □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: <100 | 04 NARRATIVE DESCRIPTION
The majority of the population receives drinking water from Lake Michigan. Intakes for this system are > 3 mi. from the site. Lyons mixes Lake Michigan surface water with water obtained from deeper wells that are confined from the shallow interconnected sand and gravel / silurian dolomite aquifer. A few private wells in the area draw from the shallo

01 ■ H. WORKER EXPOSURE/INJURY | 02 □ OBSERVED (DATE ____) | ■ POTENTIAL | □ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: See below. | 04 NARRATIVE DESCRIPTION
A potential for worker exposure / injury existed in past during Taracorp and NL Industries operations. Taracorp had an average of 35 employees during their operations. There are 5 full-time workers on-site currently and various truck haulers entering and leaving the site. These workers could also potentially be affected.

01 ■ I. POPULATION EXPOSURE/INJURY | 02 □ OBSERVED (DATE ____) | ■ POTENTIAL | □ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 170,000 | 04 NARRATIVE DESCRIPTION
Refer to B, C, G, and H Above

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D098983208

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None Reported or Documented

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

None Reported or Documented

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Refer to J+K Above

01 ■ M. UNSTABLE CONTAINMENT OF WASTES (Spills/Runoff/Standing liquids, Leaking drums) — 02 ☐ OBSERVED (DATE: Unknown) ■ POTENTIAL ■ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 170,000 — 04 NARRATIVE DESCRIPTION: MSDGC alleges that they had problems with lead being discharged to MSD sewer from Taracorp in past. A potential for unstable containment exists from transport and storage of lead battery plates, flue dust, and scraps. Storage shed is open on 2 sides and may be cracked in some areas.

01 ■ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ■ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION: According to a Taracorp Representative, berms were constructed along the fence lines on the south and west sides of the site to prevent run-off to McCook drainage ditches. Refer to Comments at B and at O below.

01 ■ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: Unknown) ■ POTENTIAL ■ ALLEGED
04 NARRATIVE DESCRIPTION: IEPA memo dated 9-9-83 states that MSDGC has had problems in past with lead being discharged to MSD sewer allegedly from Taracorp. Four MSD sewer drains exist in the production area. MSDGC also indicated that Taracorp was allegedly required to construct small berms to prevent water from running off-site.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

None Documented or Observed

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Unknown - Little information is available on operators at the site prior to Taracorp.

III. TOTAL POPULATION POTENTIALLY AFFECTED: ~170,000

IV. COMMENTS

None

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA File Information

Site Inspection/Interview with Taracorp and Moreco Energy, Inc. Representatives on 9-9-86, by E+E/FIT

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D098983208

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A. NPDES				
☐ B. UIC				
■ C. AIR	UnKnown		→	Reverbatory furnace, baghouses
☐ D. RCRA				
■ E. RCRA INTERIM STATUS	ILD098983208	11-18-80	—	
☐ F. SPCC PLAN				
☐ G. STATE (Specify)				
■ H. LOCAL (Specify)	UnKnown		→	Village of McCook Air Permit
☐ I. OTHER (Specify)			-	Taracorp may have also had
☐ J. NONE				a permit for their natural gas boiler

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A. SURFACE IMPOUNDMENT		
☐ B. PILES		
☐ C. DRUMS, ABOVE GROUND		
☐ D. TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☐ F. LANDFILL		
☐ G. LANDFARM		
☐ H. OPEN DUMP		
■ I. OTHER (Specify) Refer to Comments at Part III. 02 below		

04 TREATMENT (Check all that apply) — NA

- ☐ A. INCENERATION
- ☐ B. UNDERGROUND INJECTION
- ☐ C. CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E. WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER _____ (Specify)

05 OTHER

■ A. BUILDINGS ON SITE 3

6 furnaces remaining

06 AREA OF SITE

6.6 (Acres)

07 COMMENTS The above listed permits apply to Taracorp operations. According to a Taracorp Representative, Taracorp's RCRA Interim Status is currently a point of contention - Refer to attached Memorandum.

- Moreco Energy, Inc. has a permit for a diesel fuel storage tank on-site.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one) — UnKnown - TAT soil and water sample results not available.

☐ A. ADEQUATE, SECURE ☐ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC. Feedstocks and slag were stored in the hazardous storage shed during Taracorp operations. The shed is roofed, but is open on 2 sides and appeared to contain cracks in the floor in some areas based on observations made during 9-9-86. FIT Inspection. An IEPA Inspection Report dated 4-1-83, refers to the storage shed floor as being broken in some areas. Battery plates, scrap material, and flue dust were stored in bins on the pad in the shed.

V. ACCESSIBILITY

- Refer to Memo for additional information on storage.

01 WASTE EASILY ACCESSIBLE: ☐ YES ■ NO

02 COMMENTS The facility is completely fenced. The entrance road area off of 47th St. is not completely fenced until reaching main gate. A worker is on-duty in the office 24 hours. The gate is open in the daytime but locked during Moreco's evening shifts. Truck haulers have keys to the gate.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

IEPA File Info.

E+E, Inc. File Info.

Site Inspection/Interview with Representatives from Taracorp and Moreco Energy, Inc. on 9-9-86 by E+E/FIT

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D098983208

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)

	SURFACE	WELL
COMMUNITY	A. ■	B. ■
NON-COMMUNITY	C. ☐	D. ■

02 STATUS

ENDANGERED	AFFECTED	MONITORED
A. ☐	B. ☐	C. ☐
D. ■	E. ☐	F. ☐

03 DISTANCE TO SITE

>3 mi. (surface water)

A. .95 (mi) Well

B. <1 (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☐ A. ONLY SOURCE FOR DRINKING ■ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER ~10,000

03 DISTANCE TO NEAREST DRINKING WATER WELL <1 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
~18 (ft)	SE Regionally	18' (ft)	Unknown (gpd)	☐ YES ■ NO

09 DESCRIPTION OF WELLS (Including useage, depth, and location relative to population and buildings) A few private wells draw drinking water from the shallow interconnected sand and gravel and Silurian dolomite aquifer. The majority of the population receives drinking water from municipal supplies drawing from Lake Michigan which is >3 miles from the site. The Lyons municipal well draws drinking water from deeper aquifers which are confined from the shallow aquifer by Maquoketa shale. Lyons mixes 50% groundwater with 50% Lake Michigan water for their drinking water supply.

10 RECHARGE AREA

■ YES ☐ NO

COMMENTS: Recharge to shallow aquifers occurs through seepage and precipitation.

11 DISCHARGE AREA

■ YES ☐ NO

COMMENTS: Regionally, groundwater discharges into Lake Michigan.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

■ A. RESERVOIR, RECREATION, DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
Des Plaines River	☐	.16 (mi)
Chicago Sanitary and Ship Canal	☐	.47 (mi)
	☐	(mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 10,308 NO. OF PERSONS	B. 59,273 NO. OF PERSONS	C. 145,615 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION

<.01 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE

16,000+

04 DISTANCE TO NEAREST OFF-SITE BUILDING

(Adjacent) <.01 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

The site is located in a highly industrialized area. Residential areas exist north of the site. Densely populated areas are located generally throughout the 3 mile site radius.

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

EPA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	098983208

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☐ A. $10^{-6} - 10^{-8}$ cm/sec ☐ B. $10^{-4} - 10^{-6}$ cm/sec ■ C. $10^{-4} - 10^{-3}$ cm/sec ☐ D. GREATER THAN 10^{-3} cm/sec

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm/sec) ☐ B. RELATIVELY IMPERMEABLE ($10^{-4} - 10^{-6}$ cm/sec) ■ C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH	
~50 (ft)	UnKnown (ft)	UnKnown	

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE		
		SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
2.2 (in)	2.4 (in)	0 %	NA	0 %

09 FLOOD POTENTIAL

SITE IS IN UnKnown YEAR FLOODPLAIN

10

NA ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE	OTHER
A. NA (mi)	B. >3 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

>3 (mi)

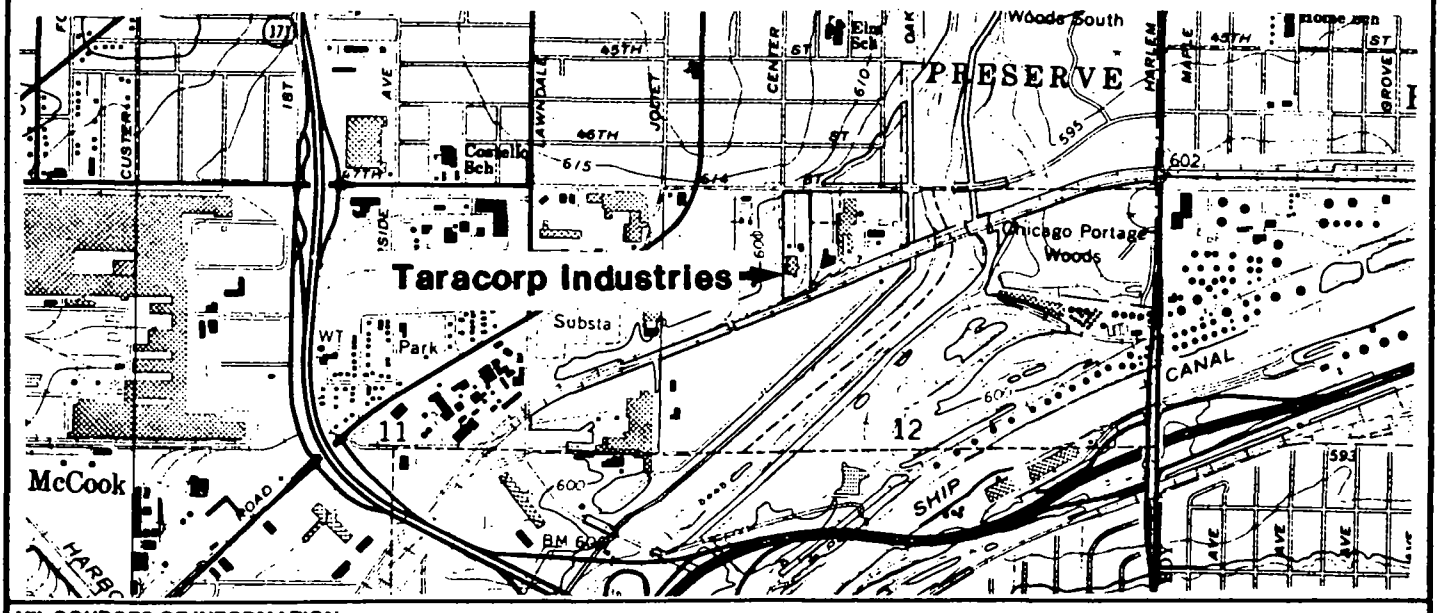
ENDANGERED SPECIES: NA

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS	NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS PRIME AG LAND	AGRICULTURAL LANDS AG LAND
A. Adjacent: 0 (mi)	B. <.01 (mi)		C. >3 (mi)	D. >3 (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY



VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- E&E, Inc. File Info.
- U.S.G.S. 7.5 minute topographic map: Berwyn Quad, 1963, photorevised 1972, 1980
- Climatic Atlas of the U.S., U.S. Dept. of Commerce, 1979
- 1980 IL Census of the Population, U.S. Dept. of Commerce
- U.S. Fish and Wildlife/Dept. of Interior Info.
- Lyons Municipal Water Supply Info.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D098983208

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	NA	NA - No Samples Were Obtained by Ecology and Environment / FIT during 9-9-86 Site Inspection	NA
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
Drager Pump: Tubes: HCN, H_2SO_4	None Detected / No Color Change
Explosimeter	No Readings Above Background
HNU 101	No Readings Above Background
Oxygen Indicator	No Readings Above or Below Background
Radiation-Mini	No Readings Above Background

IV. PHOTOGRAPHS AND MAPS

01 TYPE ■ GROUND ☐ AERIAL

02 IN CUSTODY OF Ecology and Environment, Inc. Files
(Name of organization or individual)

03 MAPS ■ YES ☐ NO

04 LOCATION OF MAPS: Site Maps + U.S.G.S. Topographic Map - Berwyn Quad. - E+E, Inc. Files

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

None

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- Site Inspection / Interview at Taracorp Industries Site by E+E/FIT on 9-9-86.
- U.S.G.S. Topographic Map - Berwyn Quadrangle; 1963, photorevised 1972 and 1980

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D098983208

II. CURRENT OWNER(S) / PARENT COMPANY (If applicable)

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER
McCook Lead Supply, Inc.	Unknown	Taracorp, Inc.	Unknown

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE
Unknown	↓	401 W. Paces Ferry Rd.	↓

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE
↓	Unk.	↓	Atlanta	GA	30327

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

01 NAME	02 D+B NUMBER	08 NAME	09 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first) / IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
NL Industries, Inc.	Unknown	No Current Realty Owner(s)	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
P.O. Box 1090 (Wyckoff Mills Rd.)	↓		

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
Hightstown	NJ	08520			

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Owner prior to NL Industries is unknown			

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- Site Inspection / Interview with George Webb, Jr. - Taracorp and Ronald Stoker - Moreco Energy, Inc., by E+E/FIT on 9-9-86.
- EPA Notification of Hazardous Waste Site / NL Industries, Inc., 6-9-81

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION
01 STATE: IL | 02 SITE NUMBER: D098983208

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME	02 D+B NUMBER
Moreco Energy, Inc.	UnKnown

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
7601 W. 47th Street	↓

05 CITY	06 STATE	07 ZIP CODE
McCook	IL	60525

08 YEARS OF OPERATION	09 NAME OF OWNER
1/85 - Present	McCook Lead Supply, Inc.

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME	11 D+B NUMBER
Moreco Energy, Inc. AKA - Motor Oils Refining Co.	UnKnown

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
7601 W. 47th Street	↓

14 CITY	15 STATE	16 ZIP CODE
McCook	IL	60525

III. PREVIOUS OPERATOR(S) (List most recent first; provide only if different from owner)

01 NAME	02 D+B NUMBER
NL Industries/McCook Plant	UnKnown

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
7753 W. 47th Street	↓

05 CITY	06 STATE	07 ZIP CODE
McCook	IL	60525

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD
Unknown to 1979	NL Industries, Inc. - length of ownership unknown

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME	11 D+B NUMBER
NL Industries, Inc.	UnKnown

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE
P.O. Box 1090 (Wyckoff Mills Rd.)	↓

14 CITY	15 STATE	16 ZIP CODE
Hightstown	NJ	08520

01 NAME	02 D+B NUMBER
Owner previous to NL Industries is unknown	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER
Unknown	

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

08 YEARS OF OPERATION	09 NAME OF OWNER DURING THIS PERIOD

10 NAME	11 D+B NUMBER

12 STREET ADDRESS (P.O. Box, RFD #, etc.)	13 SIC CODE

14 CITY	15 STATE	16 ZIP CODE

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- Site Inspection / Interview with George Webb, Jr. - Taracorp, and Ronald Stoker - Moreco Energy, Inc., by E+E/FIT on 9-9-86.
- EPA Notification of Hazardous Waste Site / NL Industries, Inc., 6-9-81

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D098983208

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER
REFER to MEMORANDUM	

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
REFER to MEMORANDUM			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Various Haulers / UnKnown			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY	06 STATE / 07 ZIP CODE	05 CITY	06 STATE / 07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- Site Inspection / Interview with George Webb, Jr. - Taracorp, and Ronald Stoker - Moreco Energy, Inc. by E+E/FIT on 9-9-86.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D098983208

PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED 04 DESCRIPTION NA	02 DATE	03 AGENCY
01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ L. ENCAPSULATION 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE	03 AGENCY

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D098983208

II PAST RESPONSE ACTIVITIES (Continued)

NA

01 ☐ R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ S. CAPPING/COVERING 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ T. BULK TANKAGE REPAIRED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ V. BOTTOM SEALED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ W. GAS CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ X. FIRE CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ Y. LEACHATE TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ Z. AREA EVACUATED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ 2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- Site Inspection / Interview with George Webb, Jr. - Taracorp, and Ronald Stoker - Moreco Energy, Inc., on 9-9-86 by E+E/FIT

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D098983208

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☐ YES ■ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

No Known Enforcement Actions

NOTE:

- TAT obtained soil and water samples at the Taracorp facility in 8/86. Sample results are not yet available.
- According to file information, apparent violations of Illinois Pollution Control Board Rules and Regulations for special wastes existed at one time (during Taracorp operations) for short-term shipments of flue dust materials from another Taracorp facility to the McCook Taracorp facility.
- A potential nuisance violation for sulfur dioxide emissions may have existed in the past during NL Industries operations on-site.

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

- Site Inspection / Interview with George Webb, Jr. - Taracorp, and Ronald Stoker - Moreco Energy, Inc., on 9-9-86, by E+E/FIT.
- IEPA File Information / E+E, Inc. File Info.

EPA FORM 2070-13 (7-81)

Site Name - Taracorp Industries, McCook, IL ILD048483208

Immediate Removal Action Check Sheet

	High	Moderate	Low
Fire and Explosion Hazard			
Flammable Materials None Known			
Explosives None Known			
Incompatable Chemicals None Known			
Direct Contact with Acutely Toxic Chemicals			
Site Security Completely Fenced			X
Leaking Drums or Tanks NA			
Open Lagoons or pits NA			
Materials on Surface Potential		X	
Proximity of Population <.01 mile		X	
Evidence of Casual Site Use NA			
Contaminated Water Supply			
Exceeds 10 Day Snarl NA			
Gross Taste or Odors NA			
Alternate Water Available Yes			X
Potential Contamination Yes			X
Is the site abandoned or active? Inactive			X

Comments The site was operated by NL Industries until 1979. NL Industries starting date is unknown. No information is available on the owner/operator prior to NL Industries. Taracorp manufacturing operations at the site ceased in 1983. On 5-26-83, the IEPA obtained a dust sample from a concrete pad on-site after manufacturing operations had ceased. The sample was found to contain 412,250 mg/Kg (dry weight) lead. Feedstock materials were allegedly stored on-site for possibly one year after manufacturing operations ceased. All material was then allegedly removed, and the plant yard, buildings, walls, and baghouses were vacuum swept. The material was placed in barrels and shipped off-site for recycling. The site property is currently used as a truck terminal. Five employees work at the site. Truck haulers have access to the site. TAT obtained soil and water samples at the facility in 8/86 and allegedly did not find any site conditions that would clearly indicate an emergency situation. The sample results are not yet available.

X102

Time Collected: 1:50 PM

Date Collected: 5/26/83

Lab #

SPECIAL ANALYSIS FORM

Date Received 05107 MAY31

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL

COUNTY:	FILE HEADING:	FILE NUMBER:
Cook	Mc Cook / Terra Corp	

SOURCE OF SAMPLE: (Exact Location)

dust from area south west of storage area Removed from Concrete Pad

PHYSICAL OBSERVATIONS, REMARKS:

dust

TESTS REQUESTED: Acid Digest for Lead

COLLECTED BY: Lynn Ceivello TRANSPORTED BY: Lynn Ceivello

LABORATORY

RECEIVED BY: M. Ingalls DATE COMPLETED: DATE FORWARDED: JUN 24 1983

Lead mg/kg 412,250 mg/kg (ppm) dry weight.

J Dougherty

IL 532-0314
LPC 8A 4/77

C005107

(NOT FOR DATA PROCESSING)

Environmental Protection Agency
Division of Laboratory Services
[illegible]

EPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

810609

IL#364

ILS-000-001-187

A Person Required to Notify:

Enter the name and address of the person or organization required to notify.

Name: NL Industries, Inc.
Street: P. O. Box 1090 (Wyckoff Mills Road)
City: Hightstown State: NJ Zip Code: 08520

B. Site Location:

Enter the common name (if known) and actual location of the site.

Name of Site: McCook Plant
Street: 7753 W. 47th St.
City: McCook County: B LaGrange State: IL Zip Code: 60525

ILD 098983208

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form.

Name (Last, First and Title): Baser, F. R., Dir. Environmental Control
Rodman, H. G., Environmental Engineer
Phone: 609/443-2411 or 2410

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.

From (Year): To (Year): 1979

E Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:
Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

1. ☐ Organics
2. ☒ Inorganics
3. ☐ Solvents
4. ☐ Pesticides
5. ☒ Heavy metals
6. ☐ Acids
7. ☐ Bases
8. ☐ PCBs
9. ☐ Mixed Municipal Waste
10. ☐ Unknown
11. ☒ Other (Specify)

SLAG

Source of Waste:
Place an X in the appropriate boxes.

1. ☐ Mining
2. ☐ Construction
3. ☐ Textiles
4. ☐ Fertilizer
5. ☐ Paper/Printing
6. ☐ Leather Tanning
7. ☐ Iron/Steel Foundry
8. ☒ Chemical, General
9. ☐ Plating/Polishing
10. ☐ Military/Ammunition
11. ☐ Electrical Conductors
12. ☐ Transformers
13. ☐ Utility Companies
14. ☐ Sanitary Refuse
15. ☐ Photofinish
16. ☐ Lab Hospital
17. ☐ Unknown
18. ☒ Other (Specify)

secondary lead smelter

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:
EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

000245 JUN-9 81

Form Approved
OMB No. 2050-0138

JUN 12 1981

Notification of Hazardous Waste Site **Side Two**

F Waste Quantity

Place an X in the appropriate boxes to indicate the facility types found at the site

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.

Facility Type

1. ☐ Piles
2. ☐ Land Treatment
3. ☐ Landfill
4. ☐ Tanks
5. ☐ Impoundment
6. ☐ Underground Injection
7. ☐ Drums, Above Ground
8. ☐ Drums, Below Ground
9. ☒ Other (Specify) Unknown

Total Facility Waste Amount

cubic feet Unknown

gallons

Total Facility Area

square feet Unknown.

acres

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

☐ Known ☐ Suspected ☐ Likely ☒ None

Note: Items H and I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

Slag stored prior to disposal off-site.

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other"

Name F. R. Baser

Street

City State Zip Code

Signature Fred R. Baser Date 6/8/81

☐ Owner, Present
☒ Owner, Past
☐ Transporter
☐ Operator, Present
☒ Operator, Past
☐ Other

[FR Doc. 81-11500 Filed 4-14-81; 8:45 am]

BILLING CODE 6560-29-C

F. R. Baser
Director,
Environmental Control Department

June 9, 1981

Regional Administrator
US EPA Region 5
Sites Notification
Chicago, IL 60604

Dear Sir:

NL Industries, Inc. has completed and encloses 44 "EPA Notification of Hazardous Wastes Site" forms, each of which identifies a site within your region where hazardous waste may have been stored or disposed of. Certain facilities were or are owned by subsidiaries, whether wholly or majority owned; some of these subsidiaries have been liquidated, and some have not. For convenience of reference, all notifications are being made in the name of the parent, NL Industries, Inc. In some cases our information is incomplete as to dates that old facilities started and/or ceased operations. In most of these cases the facility no longer exists.

NL was formed in 1891 by the merger of a number of independent lead or related product manufacturers, some of which may have been in business for over a century previous to 1891. We have not attempted to complete forms for facilities not operated since 1891, because of doubt regarding the obligation to do so, and our general lack of any specific information regarding such sites. Similarly, we are generally unable to trace the corporate history of companies which were acquired and therefore have not included facilities which were disposed of by such companies prior to the date of acquisition by NL.

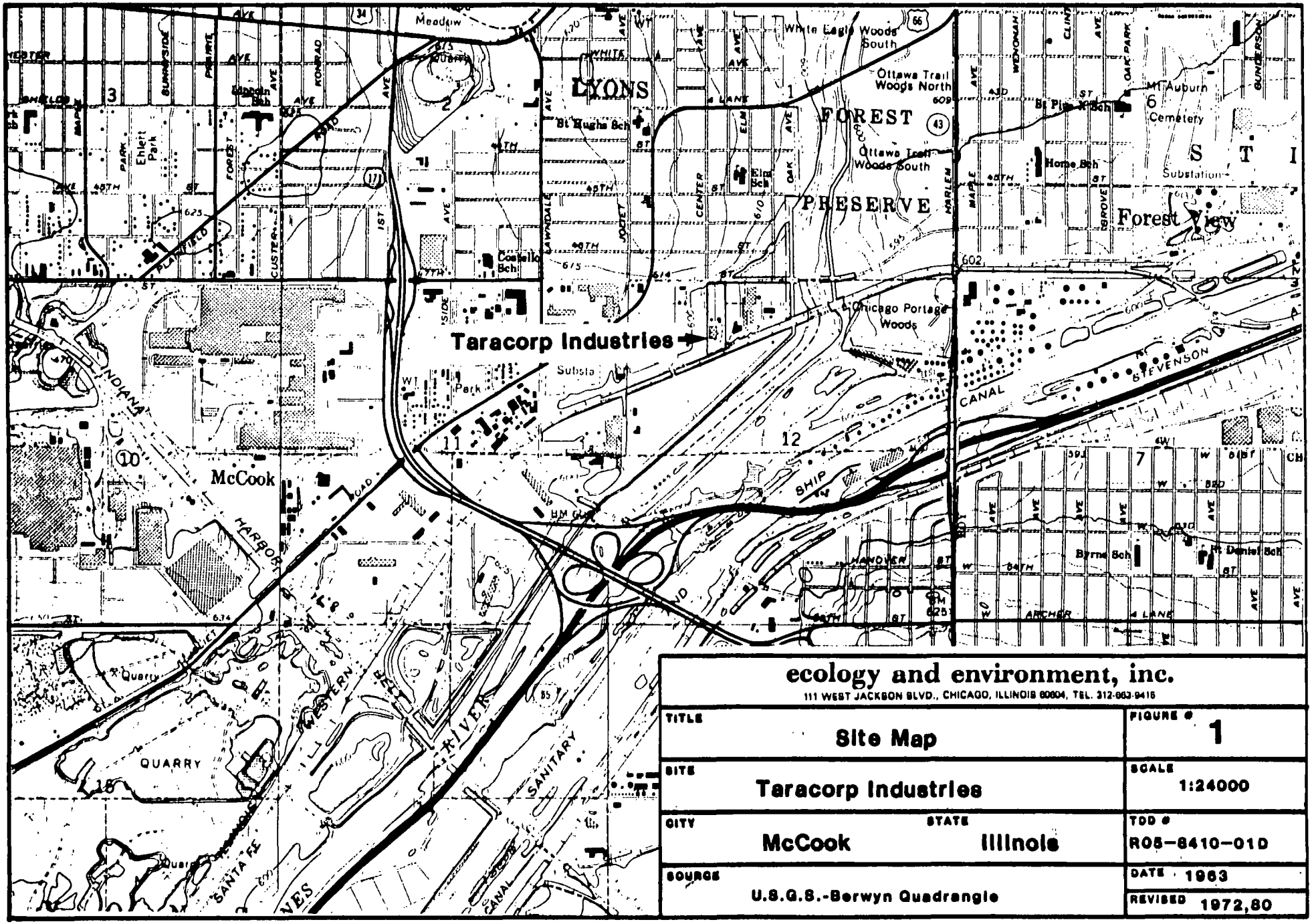
A number of our filings are precautionary and are based on uncertainty induced by the absence of regulatory guidance in interpreting non-specific statutory language. Accordingly, our "estimates", "suspicions", and "presumptions" whether or not labeled should not be construed as admissions that the activities described took place, or had the described consequences, or that NL is in any way responsible for such activities or consequences. In most such cases, we expressly disclaim responsibility.

Very truly yours,

F. R. Baser

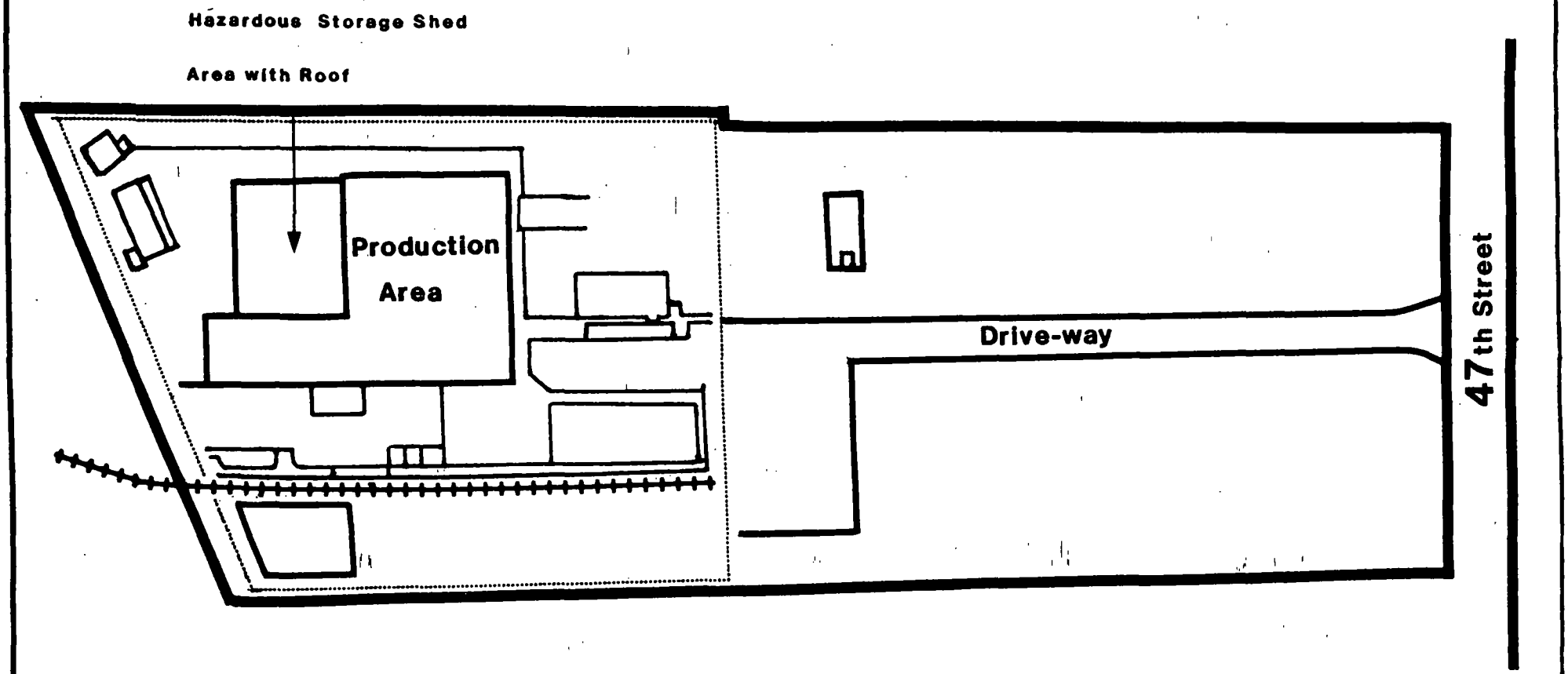
FRB/tb
Enclosures

NL Industries, Inc.
P.O. Box 1090, Hightstown, N.J. 08520 Tel. (609) 443-2411



ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

TITLE: **Site Map**	FIGURE # **1**
SITE: **Taracorp Industries**	SCALE **1:24000**
CITY: **McCook** STATE: **Illinois**	TDD # **R05-8410-01D**
SOURCE: **U.S.G.S.-Berwyn Quadrangle**	DATE **1963**
	REVISED **1972,80**



Railroad Tracks

Fence

N

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

TITLE: Site Map	FIGURE #: 2
SITE: Taracorp Industries	SCALE: NA
CITY: McCook STATE: Illinois	TDD #: R05-8410-01D
SOURCE: C.J.P. / File	DATE: 9-11-86
	REVISED: NA

FIELD PHOTOGRAPHY LOG SHEET

DATE 9/9/86

TIME 2:45 A.M. (P.M.)

DIRECTION: N NNE NE ENE
(E) ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER mid 60°s F, Cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: Former Hazardous Storage Shed Area showing Roof and 2 Closed Sides

DATE 9/9/86

TIME 2:45 A.M. (P.M.)

DIRECTION: N NNE NE ENE
E (ESE) SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER mid 60°s F, Cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: Cyclones adjacent to Former Hazardous Storage Shed Area

FIELD PHOTOGRAPHY LOG SHEET

DATE 9/9/86

TIME 2:47 A.M. (P.M.)

DIRECTION: N NNE NE ENE
E (ESE) SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER mid 60°s F, Cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: View of Former Hazardous Storage Shed Area with adjacent Cyclones and Main Metallurgical Baghouse Building (far right)

FIELD PHOTOGRAPHY LOG SHEET

DATE 9/9/86

TIME 2:58 A.M. (P.M.)

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW (SW) WSW
W WNW NW NNW

WEATHER mid 60°s F, cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: Location of Cooling Tower Basin (indicated by arrow) adjacent to Main Metallurgical Baghouse

DATE 9/9/86

TIME 2:58 A.M. (P.M.)

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW (SW) WSW
W WNW NW NNW

WEATHER mid 60°s F, cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: 3 Close-up of Cooling Tower Basin

FIELD PHOTOGRAPHY LOG SHEET

DATE 9/9/86

TIME 3:00 A.M. (P.M.)

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW (SW) WSW
W WNW NW NNW

WEATHER mid 60°s F, Cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: Screw Conveyor

DATE 9/9/86

TIME 3:01 A.M. (P.M.)

DIRECTION: N NNE NE (ENE)
E ESE SE SSE
S SSW SW WSW
W WNW NW NNW

WEATHER mid 60°s F, Cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: Furnace Building 3

FIELD PHOTOGRAPHY LOG SHEET

DATE 9/9/86

TIME 3:03 A.M. (P.M.)

DIRECTION: N NNE NE ENE
E ESE SE SSE
S SSW SW WSW
W WNW (NW) NNW

WEATHER mid 60°s F, Cloudy

SITE Taracorp Industries

TDD# R05-8410-01D

PHOTOGRAPHED BY: Cynthia Pugh

SAMPLE ID# (if applicable) NA

DESCRIPTION: Location of Sanitary Baghouse for Pot Furnaces